

Date: Friday, 09/01/2009 12:43:58 PM
User: Jean-Luc Menard

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: BLADE FITTING	<i>Split</i>
Job Number	: 44531 -1			
Estimate Number	: 12300			
P.O. Number	:	Part Number	: D3488042	
This Issue	: 09/01/2009 S.O. No. :	Drawing Number	: D3488 / DSK101	
Prsht Rev.	: NC	Project Number	: N/A	<i>14</i>
First Issue	: 1 /	Drawing Revision	: B / D	
Previous Run	: 43122	Material	:	
Written By	: <i>JLM 09-01-09</i>	Due Date	: 16/01/2009	Qty: <i>17</i> Um: Each
Checked & Approved By	:			
Comment	: Est Rev:A New Issue 06-02-28 JLM : Est Rev:B As per Rev B 06-03-30 JLM : Est Rev:C Now On Doosan Lathe JLM Verified BY:DD			

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D6103003	Round Billet, Aluminum
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 17.0000 Each(s)
 Alluminum Round Billet D6103-003 *42281(x11)*
 Batch: *41868(x1)* *06/04-009*

2.0	DOOSAN LATHE	DOOSAN LATHE
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Comment: DOOSAN CNC LATHE
 1-Turn as per Dwg DSK 101 & Folio FA627
 2-Deburr *RF 09/01/10*

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE *RF 09/01/10*

4.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1
 1-Machine as per Folio FA627 & Dwg D3488
 2-Deburr *M.A 09/01/17*

5.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE *M.A 09/01/17*

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLADE FITTING

Job Number: 44531

Part Number: D3488042

Job Number:



Seq. #: Machine Or Operation: Description :

6.0

QC8

SECOND CHECK



Comment: SECOND CHECK

SL 09/01/20

7.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

FL 09/01/20

(11)

8.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

START TIME:

2:30 pm

OVEN TEMPERATURE:

320°F

FINISH TIME:

3:00 pm

SL 09-01-21

(X11)

9.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

SL 09/01/22

(11)

10.0

ALS71032225

INSERT



Comment: Qty.: 4.0000 Each(s)/Unit Total : 68.0000 Each(s)

Pick:

Qty Part Number Description Batch

4 ALS7-1032-225 Insert M109817

SL

11.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Install Inserts as per Dwg D3488

SL 09-01-29

(X11)

12.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

SL 09/01/09

(X11)

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLADE FITTING

Job Number: 44531

Part Number: D3488042

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: F13

JS 09-01-29 (11)

14.0

QC21

FINAL INSPECTION/W/O RELEASE



09/02/02 JS

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF 09-01-30

DART AEROSPACE LTD	Work Order:	44531
Description: Blade Fitting, RH / Turning Detail for D3488-1/-2	Part Number:	D3488-2
Inspection Dwg: D3488 / DSK101 Rev: B / D		Page 1 of 2

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

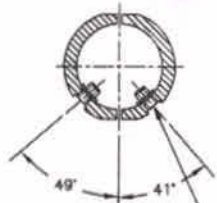
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Lathe Section						
Ø2.150	+/-0.005	2.150				
Ø2.780	+/-0.005	2.780				
Ø3.125	+/-0.010	3.125				
Ø3.346	+/-0.010	3.346				
0.125 x 45°	+/-0.010 x +/-0.1°	.125x45°				
8.000	+0.030/-0.000	8.000				
9.250	+/-0.010	9.250				
0.188	+/-0.010	.188				
R0.032	+/-0.010	R0.032				
R0.062	+/-0.010	R.062				
Ø0.297	+0.005/-0.001	.297				
Ø0.430	+/-0.010	.430				
0.100	+/-0.010	.100				
0.125	+/-0.010	.125				
2.620	+/-0.010	2.620				
3.500	+/-0.010	3.500				
1.005	+/-0.010	1.005				
Ø0.484	+0.005/-0.001	.485				
1.180	+/-0.010	1.180				
3.150	+/-0.010	3.150				
3.070	+/-0.010	3.070				
R0.063	+/-0.010	R0.063				
	09/01/12			Audit:		

DART AEROSPACE LTD		Work Order: 44531
Description: Blade Fitting, RH / Turning Detail for D3488-1/-2		Part Number: D3488-2
Inspection Dwg: D3488 / DSK101 Rev: B / D		Page 2 of 2

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Milling Section						
Ø0.508	+0.006/-0.001	.510	✓			
0.750	+/-0.010	.742	✓			
1.500	+/-0.010	1.499	✓			
11.18	+/-0.030	11.179	✓			
R0.062	+/-0.010	0.062	✓			
0.125	+/-0.010	.130	✓			
0.590	+/-0.010	.590	✓			
0.793	+/-0.010	.796	✓			
1.351	+/-0.010	1.351	✓			
1.317	+/-0.010	1.308	✓			
1.802	+/-0.010	1.803	✓			

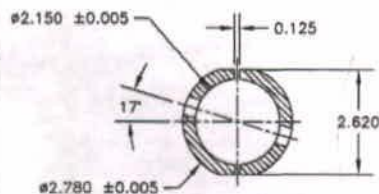
Measured by: JL/YA	Audited by: SP	Prototype Approval:	N/A
Date: 09/01/16	Date: 09/01/20	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	06.03.31	New Issue	KJ/JLM	
B	08.09.19	Reformat P/O D3488-042	KJ/JLM	
C	08.12.02	Dimension 8.000 removed	KJ/JLM	



SECTION B-B

#0.297
C'BORE #0.430 x 0.100
INSTALL ALS4-1032-225 (OR AKS4-1032-225
OR ALS7-1032-225 OR AKS7-1032-225)
INSERTS AFTER FINISH
(4 PLACES)



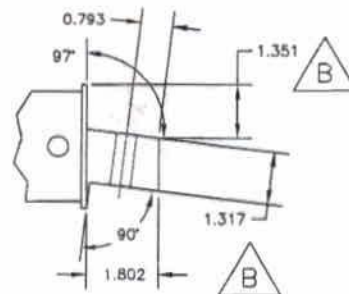
SECTION A-A

D3488-041/-042 BLADE FITTING ASSEMBLY PARTS LIST

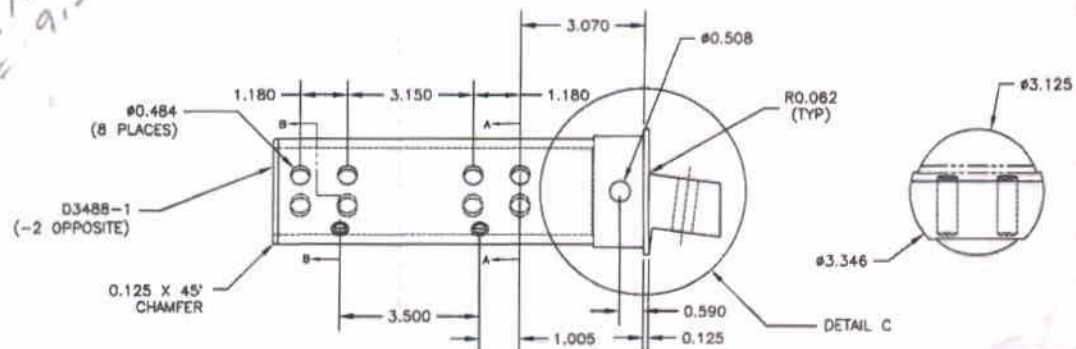
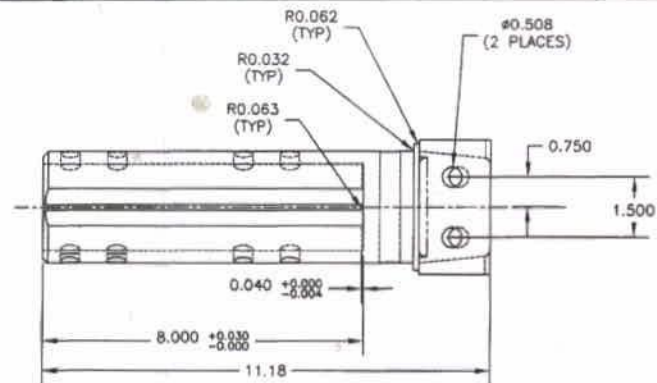
QTY -041	QTY -042	PART NUMBER	DESCRIPTION
X	X	D3488-041	BLADE FITTING ASSEMBLY (LH)
		D3488-042	BLADE FITTING ASSEMBLY (RH)
1		D3488-1	BLADE FITTING (LH)
	1	D3488-2	BLADE FITTING (RH)
4	4	ALS4-1032-225 or AKS4-1032-225 or ALS7-1032-225 or AKS7-1032-225	INSERT

D3488-041/-042 BLADE FITTING

- MATERIAL: MAKE D3488-1/-2 FROM ALUMINUM 7075-T7351 ROUND BAR
PER QQ-A-225/9
(REF. DART MATERIAL SPEC M7075T73R)
- FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1
POWDER COAT WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
- BREAK UNMARKED SHARP EDGES 0.010 TO 0.020
- INSTALL INSERTS AFTER POWDER COAT
- ALL DIMENSIONS ARE IN INCHES
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



DETAIL C



D3488-041 SHOWN (D3488-042 OPPOSITE)

RELEASED
06.03.15 PH
PER OS
EIN #789

B	06.03.15	CHANGE THICKNESS
A	05.12.20	NEW ISSUE
DESIGN	PH	DRAWN BY PH
CHECKED	PH	APPROVED PH
DATE	06.03.15	DRAWING NO. D3488
		TITLE BLADE FITTING

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PORT HADLOCK, OH

REV. B
SHEET 1 OF 1
SCALE
1:3